

Woodland Management and Productivity

Where applicable, this table, which is located in the soil survey manuscript, presents information about management and productivity for each map unit in the survey area which is suitable for producing timber. Management concerns which are covered include hazard of erosion, equipment use, seedling mortality, and windthrow hazard. Ratings of SLIGHT, MODERATE, or SEVERE are used to indicate the degree of major soil limitations. Information on potential productivity includes common trees, site index, productivity class, and volume of wood fiber.

Management Concerns

Erosion Hazard. The risk of erosion is slight if the expected soil loss is small; moderate if some measures are needed to control erosion during logging; and severe if intensive management or special equipment and methods are needed to prevent excessive loss of soil.

Equipment Limitation. A rating of slight indicates that use of equipment is not limited to a particular kind of equipment or time of year; moderate indicates a short seasonal limitation, or a need for some modification in management of equipment; and severe indicates a seasonal limitation, a need for special equipment or management, or a hazard in the use of equipment.

Seedling Mortality. The ratings are for seedlings from a good planting stock that are properly planted during a period of sufficient rainfall. A rating of slight indicates that the expected mortality of the planted seedlings is less than 25 percent; moderate - 25 to 50 percent; and severe - more than 50 percent.

Windthrow Hazard. A rating of slight indicates that trees in wooded areas are not expected to be blown down by commonly occurring winds; moderate - that some trees are blown down during periods of excessive soil wetness and strong winds; and severe - that many trees are blown down during periods of excessive soil wetness and moderate or strong winds.

Potential Productivity

Common Trees. Trees which generally occur on the soil are listed regardless of economic importance.

Site Index and Productivity Class. These are discussed under ordination class symbol.

See the National Forestry Manual, Subpart B, for criteria used in rating management concerns.

Volume of Wood Fiber. This is an estimate of the productivity of the stand, in cubic feet/acre.